

IN THE SPECIFICATION

At the heart of the present invention is the introduction of a non-radioactive label to an ACP. The present inventors have discovered that a label can be covalently bonded to a tyrosine residue of ACP, without effecting the reaction kinetics of the ACP. The nature of the label itself is not critical to the functionality of the invention, so long as the label can be made to react with the amino modification to the tyrosine residue of the ACP. The non-radioactive label can be a fluorophore, a chromophore, or any other chemical moiety that can be tracked optically or spectroscopically. It is preferred that the non-radioactive label be a fluorophore; dansyl and fluorescein are the particularly preferred fluorophores. Other preferred fluorophores include TRITC (tetramethylrhodamine isothiocyanate), FITC (fluorescein ~~isothionate~~ isothiocyanate), rhodamine, "Texas Red," and the like.